

**2007 Daily Values**

**MISSISSIPPI RIVER AT GRAFTON, IL (MIGR/0218A)**

**Location:** LAT. 38-58-05, LONG. 90-25-44. TWO TENTHS OF A MILE DOWNSTREAM FROM THE MOUTH OF THE ILLINOIS RIVER, AND 218.6 MILES ABOVE THE MOUTH OF THE OHIO RIVER.

**Gage:** STAFF GAGE G.O.E.S. TELEMETERED DATA COLLECTION PLATFORM WITH PRESSURE TRANSDUCER. OWNED & OPERATED BY ST. LOUIS DISTRICT, CORPS OF ENGINEERS. MAINTAINED IN COOPERATION WITH THE US GEOLOGICAL SURVEY. TELEMARK GAGE MAINTAINED BY NATIONAL WEATHER SERVICE.

**General Information:** FLOOD STAGE, 18 FEET. DRAINAGE AREA, 171,300 SQUARE MILES. NOTE #1: DAM 26 (REPLACED BY MEL PRICE DAM) REACHED MAXIMUM REGULATING POOL IN 1938 (CONSECUTIVE STAGE RECORDS BEGIN IN 1929)\*; NOTE #2: MEL PRICE DAM REACHED MAXIMUM REGULATING POOL (419.0 FEET NGVD.) IN FEB., 1990\*\*.

**Records Available:** STAGE, AUG. 1879 THRU SEPT. 1892. APR 1894 TO DEC 1904; 1929 TO DATE. (ALSO AVAILABLE IN REPORTS OF THE NATIONAL WEATHER SERVICE). DISCHARGE, INTERMITTENTLY FROM 1880 TO 1934. COMPUTED DAILY, 1928 TO 1932.

**Mean Stage:** PERIOD OF RECORD, 13.91 FT . 01 JAN 1991 TO DATE, 16.56 FT .

**Extreme Stage:** PERIOD OF RECORD, DAILY HIGH OF 38.01 FT ON 01 AUG 1993 & PERIOD OF RECORD, DAILY LOW OF -1.00 FT ON 11 DEC 1937 . 01 JAN 1991 TO DATE, DAILY LOW OF 14.15 FT ON 07 DEC 1993 .

**Zero Gage Datum:** 403.79 ft NGVD. NOTE: ADD DATUM TO STAGE TO OBTAIN ELEVATION.

ALL VALUES RECORDED AT 8AM. STAGE IN FT:

Day	Month											
	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
1	15.98	I 16.19	15.11	18.98	18.55							
2	15.94	I 16.26	15.51	18.95	18.51							
3	16.18	I 16.29	16.15	18.93	18.55							
4	16.26	I 16.48	15.93	19.29	18.49							
5	16.06	I 16.19	15.38	19.58	18.28							
6	16.05	I 16.48	15.51	19.69	18.17							
7	16.03	I 16.41	15.27	19.59	17.73							
8	15.85	I 16.53	15.46	19.38	17.32							
9	15.88	I 16.49	16.18	19.27								
10	16.06	I 16.44	16.13	19.24								
11	16.04	I 16.30	16.09	19.27								
12	15.88	16.27	15.84	19.29								
13	16.15	16.37	16.10	19.32								
14	15.95	16.07	15.71	19.38								
15	16.14	15.97	15.82	19.63								
16	16.02	16.24	15.93	19.81								
17	15.84	16.23	16.00	19.64								
18	15.75	16.13	16.15	19.39								
19	15.61	16.27	16.27	19.04								
20	15.85	16.37	16.49	18.56								
21	15.96	16.14	16.85	17.97								
22	15.77	16.13	17.14	17.44								
23	15.79	16.24	17.37	16.99								
24	15.91	15.82	17.52	16.55								
25	16.10	15.84	17.72	15.92								
26	16.07	15.83	18.03	15.67								
27	15.86	15.59	18.24	16.21								
28	15.81	15.69	18.46	17.26								
29	I 15.75	----	18.60	18.02								
30	I 16.29	----	18.65	18.52								
31	I 16.37	----	18.95	----		----			----		----	
The following statistics are based on observations occurring in 2007 only.												
Mean	15.97	16.19	16.60	18.56	18.20							
Max	16.37	16.53	18.95	19.81	18.55							
Min	15.61	15.59	15.11	15.67	17.32							
Day	31	28	31	30	8	0	0	0	0	0	0	0

The Mean STAGE for the Year was: 16.92  
The Highest STAGE for the Year was: 19.81 which occurred on: 04-16-2007  
The Lowest STAGE for the Year was: 15.11 which occurred on: 03-01-2007  
The Total Number of Days for the Year was: 128

NOTICE: All data contained herein is preliminary in nature and therefore subject to change. The data is for general information purposes ONLY and SHALL NOT be used in technical applications such as, but not limited to, studies or designs. All critical data should be obtained from and verified by the United States Army Corps of Engineers. The United States Government assumes no liability for the completeness or accuracy of the data contained herein and any use of such data inconsistent with this disclaimer shall be solely at the risk of the user.

Note:  
I = Ice/Shore Ice